JC03 Rec'd PCT/PTO 1 7 MAY 2009

FCRM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 2-2005) TRANSMITTAL LETTER TO THE UNITED STATES

PU5028USW

		DĘSIGNATED/ELECTE	ED OFFICE (DO/EO/US)	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)					
	CON	ICERNING A SUBMIS	SION UNDER 35 U.S.C. 371	10/535228					
INTE	RNAT	FIONAL APPLICATION NO. PCT/US03/35808	INTERNATIONAL FILING DATE November 12, 2003	PRIORITY DATE CLAIMED November 22, 2002					
		INVENTION Y Proportion A conjects	-						
rarn	iesoiu	X Receptor Agonists							
ADD	ICAN	IT(S) FOR DO/EO/US							
			HYATT, Stephen, M.; MALONEY, Patrick	ς, R.					
			•						
Appli	cant h	nerewith submits to the United State	es Designated/Elected Office (DO/EO/US) the	following items and other information:					
1.	☒	This is a FIRST submission of ite	ems concerning a submission under 35 U.S.C.	371					
2.			JENT submission of items concerning a submis						
3.	×		•	. 371(f)). The submission must include items (5), (6),					
		(9) and (24) indicated below.							
4.		The US has been elected (Article	·						
5.	×	· <u></u>	eation as filed (35 U.S.C. 371 (c)(2))						
		<u> </u>	uired only if not communicated by the Internati	ional Bureau).					
		_	ed by the International Bureau. Application was filed in the United States Recei	iving Office (RO/US)					
6.		, ,	of the International Application as filed (35 U.S	• , ,					
J.	_	a. is attached hereto.	of the internationary application as med (65 c.c.	.0. 01 1(0)(2)).					
		_	bmitted under 35 U.S.C. 154(d)(4).						
7.	☒	•	International Application under PCT Article 19	9 (35 U.S.C. 371 (c)(3))					
			quired only if not communicated by the Interna						
		_	ed by the International Bureau.	·					
		c. have not been made; h	owever, the time limit for making such amendr	nents has NOT expired.					
		d. 🛛 have not been made ar	nd will not be made.						
8.		An English language translation	of the amendments to the claims under PCT A	rticle 19 (35 U.S.C. 371(c)(3)).					
9.	\boxtimes	An oath or declaration of the inve	entor(s) (35 U.S.C. 371 (c)(4)).						
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).							
11.	\boxtimes	A copy of the International Preliminary Examination Report (PCT/IPEA/409).							
12.	\boxtimes	A copy of the International Searc	h Report (PCT/ISA/210).						
lt	ems 1	13 to 23 below concern documer	t(s) or information included:						
13.	\boxtimes		ment under 37 CFR 1.97 and 1.98.						
14.			ording. A separate cover sheet in compliance	with 37 CFR 3.28 and 3.31 is included.					
15.	☒	A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment.							
16.		A SECOND or SUBSEQUENT preliminary amendment. A substitute specification.							
17.		·							
18. 19.		A computer readable form of the conjugace listing in accordance with PCT Bule 13/20/2 and 37 CER 1 931 1 935							
20.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4).							
21.			guage translation of the International Application						
22.	×		332065329 US	aa. 00 0.0.0. 10-1(a)(4).					
23.	\boxtimes	Other items or information:							
		a) PCT Cover Page							
				1					

JC20 Rec²d PCT/PTO 1 7 MAX 2005 02-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE spond to a collection of information unless it displays a valid OMB control number.

The following fees are submitted: 24. ☑ Basic national fee	Officer tile Paperwork	Reduction Act of 19	as, no persons a	he required to respond to	o a coi	ilection	TOI IIIOIIIIauc	on unless it displays a valid	ONB CONTROL NUMBER
The following fees are submitted: 24. ② Basic national fee \$300 \$ \$300.00 \$28 \$300.00 \$28 \$300.00 \$300.	1 40/575998								
24. ☑ Basic national fee \$300 \$ \$300.00 25. ☑ Examination fee Iff International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). \$100 26. ☑ Search fee \$200.00 27. ☑ Search fee \$100 28. ☑ Search fee \$100 29. ☑ Search fee \$100 20. ☑ TOTAL OF 24, 25 and 26 20. ☑ Additional Ge for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for seach additional 50 or fraction thereof. \$100 20. ☑ TOTAL OF 24, 25 and 26 20. ☑ Additional Ge for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for seach additional 50 or fraction thereof. \$100 20. ☑ Total Sheets 20. ☑ Total Sheets 20. ☑ Total Sheets 20. ☑ Total Sheets 20. ☑ Total Core and Sheets of paper or fraction thereof. \$100 20. ☑ Total Core and priority date (37 CFR 1.492(e)). \$100 20. ☑ Total Claims 20. ☑ Total									
25.	_						\$300		T
Satisfy provisions of PCT Article 33(1)-(4) \$100 \$200.00	25. 🛛 Examina	ition fee		•				5500.55	
26. ⊠ Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority International Search Report prepared and provided to the Office Additional Search Report prepared and provided to the Office S400	satisfy provisions	of PCT Article 33	\$ \$200.00						
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority. International Search Report prepared and provided to the Office. S500 TOTAL OF 24, 25 and 26 = \$ \$ \$900.00 TOTAL OF 24, 25 and 26 = \$ \$ \$900.00 Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing of computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	26. 🛛 Search fe	ee							
International Search Report prepared and provided to the Office \$400 All other situations. \$500 \$500 \$5400.00 TOTAL OF 24, 25 and 26 = \$5,9900.00 Additional fee for specification and drawings filled in paper over 100 sheets (excluding sequence listing or computer program issing filled in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets	Search fee (37 CF	R 1.445(a)(2)) ha	is been paid o	n the international ap	plicat	tion to	\$100		
TOTAL OF 24, 25 and 26 = Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets Extra Sheets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole	International Searc	ch Report prepare							
Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Total Sheets									
Total Sheets				filed in paper over 16	00 she	eets (excluding	\$ \$900.00	'
fraction thereof (round up to a whole -100 = 0 /50 = 0			1						
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 25 - 20 = 5	Total Sheets	Extra Sheets					RATE		
earliest claimed priority date (37 CFR 1.492(e)). CLAIMS NUMBER FILED NUMBER EXTRA RATE Total claims 25 - 20 = 5	- 100 =	0 /50 =		0		×	\$250.00	\$ \$0.00	,
Total claims 25 - 20 = 5				eclaration later than r	nonth	s fror	n the	\$	
Independent claims 2 - 3 = 0	CLAIMS	NUMBER F	ILED N	IUMBER EXTRA		RA	TE		
MULTIPLE DEPENDENT CLAIMS (if applicable)	Total claims	25	- 20 =	5	х		\$50.00	\$ \$250.00	,
TOTAL OF ABOVE CALCULATIONS = \$ \$1,150.00 Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. SUBTOTAL = \$ \$1,150.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$ \$1,150.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$0.00 TOTAL FEES ENCLOSED = \$ \$1,150.00 Amount to be \$ Amount to be \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Independent claim	s 2	- 3=	0	x		\$200.00	\$ \$0.00	,
Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. SUBTOTAL = \$\$1,150.00 Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$\$1,150.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$0.00 TOTAL FEES ENCLOSED = \$\$1,150.00 Amount to be \$Amount to be \$\$ Amount to be \$\$ Amo	MULTIPLE DEPE	NDENT CLAIMS	(if applicable)		+	-	\$360.00	\$ \$0.00	
SUBTOTAL			TOTA	L OF ABOVE C	ALC	ULA	TIONS =	\$ \$1,150.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). TOTAL NATIONAL FEE = \$1,150.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$0.00 TOTAL FEES ENCLOSED = \$1,150.00 Amount to be \$ Amount to be \$ Amount to be \$ Please charge my Deposit Account No. 07-1392 in the amount of \$1,150.00 to cover the above fees A duplicate copy of this sheet is enclosed. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment			bove are	\$ \$0.00					
TOTAL NATIONAL FEE = \$\$1,150.00 Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$\$0.00 TOTAL FEES ENCLOSED = \$\$1,150.00 Amount to be \$ Amount to be \$\$ a. \[A \text{ check in the amount of \$} \] to cover the above fees is enclosed. b. \[\text{Please charge my Deposit Account No. } \] 07-1392 in the amount of \$\$\$1,150.00 to cover the above fees A duplicate copy of this sheet is enclosed. c. \[\text{The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment}								\$ \$1,150.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$ \$0.00 TOTAL FEES ENCLOSED = \$ \$1,150.00 Amount to be \$ Amount to be \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Processing fee of the earliest claime	\$130.00 for furnis d priority date (3	hing the Engli 7 CFR 1.492(1	ish translation later th	1an 30) mor	ths from	\$ \$0.00	
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property + \$50.00 TOTAL FEES ENCLOSED = \$1,150.00 Amount to be \$ Amount to be \$ a. \[\sum \text{ A check in the amount of \$\sum \text{ to cover the above fees is enclosed.} \] b. \[\sum \text{ Please charge my Deposit Account No. } \sum \text{ 07-1392 } \text{ in the amount of } \sum \text{ \$1,150.00 } \text{ to cover the above fees } \] c. \[\sum \text{ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment} \]								\$ \$1,150.00	
a. A check in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No. 07-1392 in the amount of \$1,150.00 to cover the above fees A duplicate copy of this sheet is enclosed. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment	Fee for recording t accompanied by a	he enclosed assi n appropriate cov	gnment (37 Cl /er sheet (37 C	FR 1.21(h)). The ass CFR 3.28, 3.31). \$40	signm) per p	ent m	rty +	\$ \$0.00	,
a. A check in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No. 07-1392 in the amount of \$1,150.00 to cover the above fees A duplicate copy of this sheet is enclosed. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment				TOTAL FEI	ES E	NCL	OSED =	\$ \$1,150.00	1
a. A check in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No. 07-1392 in the amount of \$1,150.00 to cover the above fees A duplicate copy of this sheet is enclosed. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment				Amount to be	\$				
b. Please charge my Deposit Account No. 07-1392 in the amount of \$1,150.00 to cover the above fees A duplicate copy of this sheet is enclosed. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment								Amount to be	\$
A duplicate copy of this sheet is enclosed. c. The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment	a.	n the amount of \$;	to cover the a	bove	fees	is enclosed	<u> </u>	
c. 🗵 The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment		• • •			n the	amou	unt of	\$1,150.00 to cov	er the above fees.
to Deposit Account No. U/-1372 . A duplicate copy of this sheet is cholosed.	c. 🗵 The Direc	ctor is hereby auth	horized to char	rge any additional fee			-		ayment
d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card	d. Fees are	to be charged to	a credit card.	WARNING: Informati	ion on	n this	form may be	ecome public. Credit o	
information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b))								. .	
must be filed and granted to restore the International Application to pending status	must be filed and	granted to resto	ore the Intern						
SEND ALL CORRESPONDENCE TO:	SEND ALL CORR	ESPUNDENCE I	O:	· ·		چ	TOMATURE	<u>u</u>	
				i		•			
SIGNATURE Lorio Ann Morgan			_			1	orie Ann	wiaraan	
SIGNATURE Lorio Ann Morgon	77'	2/7	7					Wiorgan	
SIGNATURE	23	347	7				NAME	Morgan	

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10) JC20 Rec'd PCT/PMO Applicant(s): Boggs et al. **Group Art Unit** Serial No. Examiner Filing Date To Be Assigned **Concurrently Herewith** Farnesoid X Receptor Agonists Invention: I hereby certify that the following correspondence: Transmittal of National Phase Application w/accompanying papers (Identify type of correspondence) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 17, 2005 (Date) Valerie L. Phillips (Typed or Printed Name of Person Mailing Correspondence) ZUP5E5405EEV3 ("Express Mail" Mailing Label Number)